



# START

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## Department of Energy

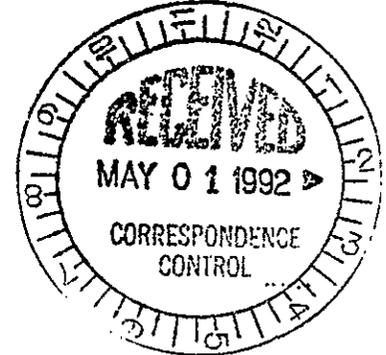
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Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

APR 27 1992

92-TPO-159

Mr. David B. Jansen  
Hanford Project Manager  
State of Washington  
Department of Ecology  
P. O. Box 47600  
Olympia, Washington 98504-7600



Mr. Paul Day  
Hanford Project Manager  
U. S. Environmental Protection Agency  
Hanford Project Office  
Richland, Washington

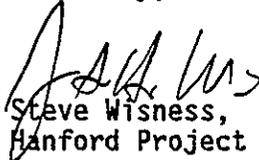
Gentlemen:

COMPLETION OF TARGET MILESTONE M-31-01-T1, "INITIATE PERMITTING STRATEGY DISCUSSIONS BETWEEN TRI-PARTY AGREEMENT SIGNATORIES"

The purpose of this letter is to transmit information pertinent to the completion of the subject milestone. Attachment 1 contains the Meeting Minutes documenting the discussions between Tri-Party Agreement Signatories. Attachment 2 is the Hanford presentation package from this meeting. It is anticipated that the completion of this milestone is only the beginning of an evolving and continuous Regulatory role in the subject project. Future Regulatory interfaces will be scheduled as necessary to complement the continual informal communication between your staff and DOE RL.

If you wish discuss this subject further, you may contact Mr. Glenn R. Konzek, of the Treatment Projects Division, on (509) 376-8399, or you may contact me on (509) 376-6798.

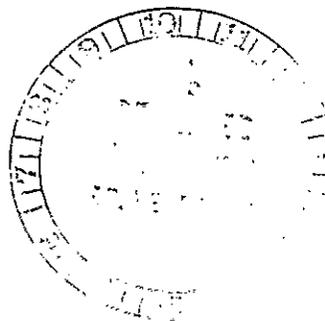
Sincerely,

  
Steve Wisness,  
Hanford Project Manager

Attachments (2)

cc w/atts:

Doug Sherwood, EPA  
Narda Pierce, Ecology  
Toby Michelena, Ecology  
~~F. B. Veneziano, WHC~~  
B. A. Kendall, WHC



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April 21, 1992

MEETING MINUTES

Date: April 13, 1992  
 Place: Vitro Building, Conference Rm. 171  
 Richland, WA 99352

Subject: TPA Target Milestone Completion, M-31-01-T1, "Initiate Permitting Strategy Discussions Between Tri-Party Agreement Signatories"

Attendees: Glenn Konzek, DOE-RL  
 Paul Dunigan, DOE-RL  
 Cliff Clark, DOE-RL  
 Ryan Pestes, DOE-RL  
 Maden Dev, DOE-RL  
 Jon Peschong, DOE-RL

Brian Kendall, WHC  
 Roger Bowman, WHC  
 Sue Price, WHC  
 Rick Engelmann, WHC  
 Steve Skurla, WHC

Doug Fassett, SWEC  
 Carolyn Haass, SWEC

Toby Michelena, Ecology  
 Doug Sherwood, EPA

Discussion:

**NOTE:** The following meeting minutes provide the administrative record for completion of the TPA Target Milestone, M-31-01-T1, "Initiate Permitting Strategy Discussions Between Tri-Party Agreement Signatories." It is anticipated that the completion of this milestone is only the beginning of an evolving and continuous Regulatory role in the subject project.

Glenn Konzek, RL provided a brief project update, specifically on the direction to WHC to rebaseline the project scope, cost, and schedule to December 1996 Hot Start-up. In addition, the inter-dependency of the new Initial Pretreatment Module (IPM) Major System Acquisition Project was introduced. Both projects are critical to the Tank Waste Safety Resolution.

Brian Kendall, WHC gave a viewgraph presentation describing project overview, status, and near term schedule.

Steve Skurla, WHC gave a brief synopsis of the permitting approach. Subsequently, Rick Engelmann, WHC gave a brief synopsis of the NEPA approach. Brian Kendall rapped up the summary.

The following questions or comments were made following the presentation:

What is driving the project acceleration? (Ecology)

**Response:** Secretary Decision Statement of December 20, 1992 and subsequent clarification and guidance from EM-30, DOE-HQ.

What does the funding scenerio look like in the both FY92 and FY93? (Ecology)

**Response:** FY92 funding re-priortization is on-going, however portions of funding are available and are currently supporting the acceleration.

FY93 funding has not been identified in the amount needed above and beyond the original FY93 Budget Appropriation for the 1999 schedule baseline scenerio. Continuous upper management attention is being applied to these high priority projects, and re-priortizing/re-programming options are continuously being generated and evaluated at all project participant levels.

**Statement:** Re-prioritization/Re-programming of funds should be sensitive to the potential ramifications of other TPA milestones and if impacts are apparent, immediate notification to the Regulators is requested. (Ecology)

The NEPA schedule is critical to the project success, what is the anticipated schedule for the NEPA process now that the project schedule has been accelerated? (Ecology)

**Response:** The NEPA schedule is currently being developed and refined. The Notice of Intent (NOI) is projected to be publicly released in July 1992. The NEPA schedule and documentation create a very high risk for project success under the accelerated schedule baseline.

The State Environmental Policy Act (SEPA) documentation and schedule is directly related to the time-line for the NEPA process, has the Ecology schedules been factored into the accelerated base case? (Ecology)

**Response:** No. The SEPA process and associated Ecology interfaces will be evaluated in the near future.

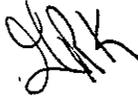
How does the Department of Energy plan to sequence the timing of the Preliminary Safety Analysis Report (PSAR) and Final Safety Analysis Report (FSAR) under the accelerated project baseline? (EPA)

**Response:** The Conceptual Design Report (CDR) cost estimate and schedule has just been re-baselined (First week in April 1992) to account for the DOE direction to meet a December 1996 hot start-up. Included in this summary schedule is the appropriate timing of the PSAR and FSAR. The execution/planning details of these two important documents and the resource loading needed to implement them will be subsequently defined.

EPA and Ecology had concerns about their staff resources to support an accelerated effort being pursued by the Department of Energy and their contractors. It was suggested that DOE-HQ should write a letter to the management principals in each Regulatory Agency to emphasize the priority and urgency of this effort. In the mean time, Ecology and EPA attendees stated that they intend on informing their management of the current project schedule and associated risks.

**Response:** Jon Peschong, DOE-RL will evaluate notifying EPA and Ecology, in writing, of the need for extraordinary support in Permitting and other Regulatory actions for both the MWTf and the Initial Pretreatment Module Projects.

Prepared by Glenn R. Konzek, TPB



4/21/92



**U.S. Department of Energy**

# **Multi-Function Waste Tank Facility W-236**

**Office of Environmental Restoration  
and Waste Management**



**Presented by  
Richland Field Office  
1992**

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## **Project Overview**

- **This project will provide**
  - **Tanks capable of in-tank treatment and/or storage of high level radioactive waste**
  - **Associated support systems consistent with anticipated waste treatment and storage missions**

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## **Mission**

**The Multi-Function Waste Tank Facility will provide capability to support:**

- **Remediation of waste tank safety issues - treatment/storage**
- **Waste staging and treatment for pretreatment/vitrification**
- **Single shell tank waste retrieval**
- **Support other waste management and decontamination/decommissioning operations in the 200 Areas**

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## **Project Scope**

- **Tanks for treatment and storage of waste**
- **Piping and pump systems for transferring and treatment of waste**
- **Leak detection**
- **Sampling systems**
- **Containment ventilation**

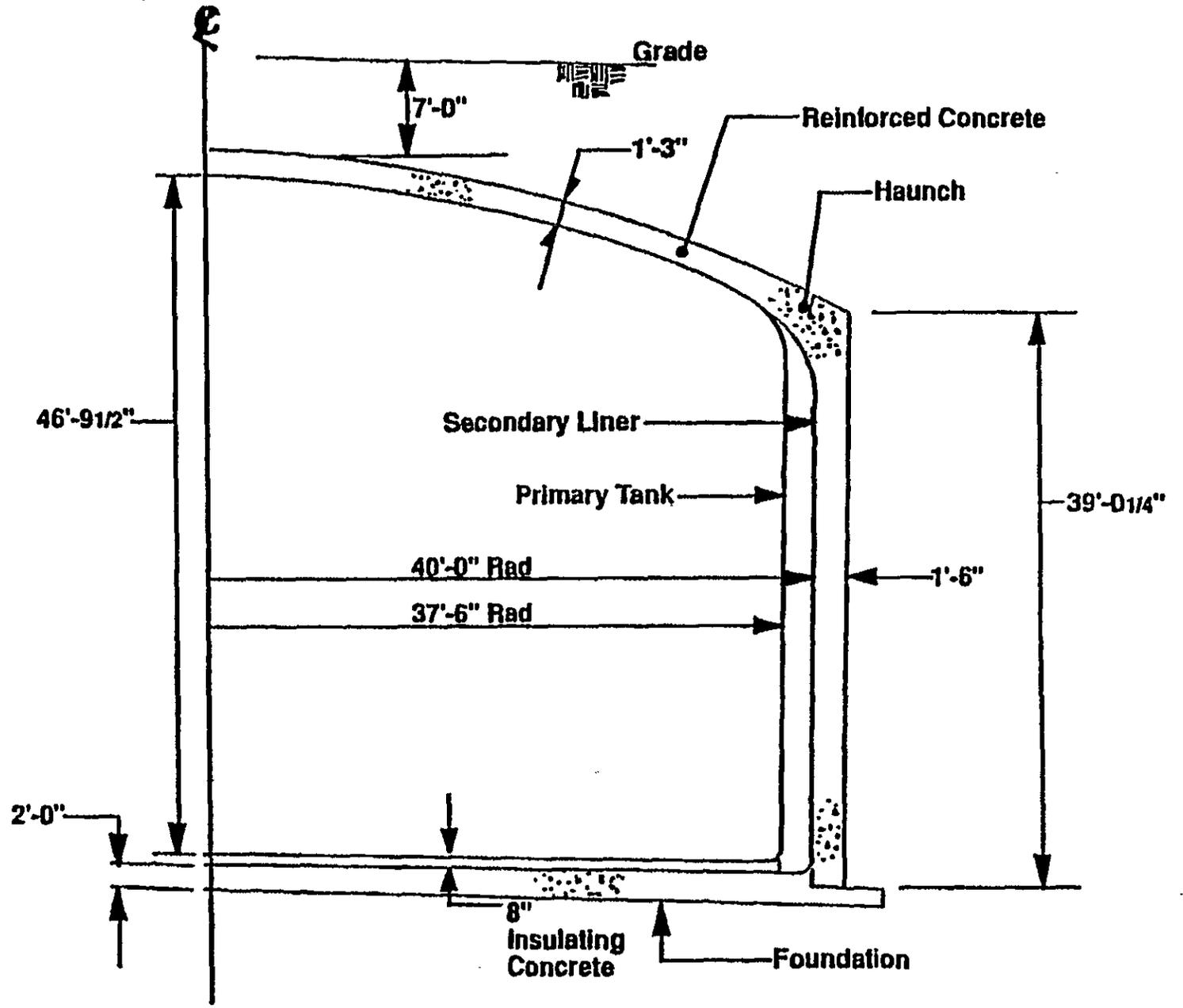
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## **Project Scope (continued)**

- **Instrumentation and control systems**
- **Power systems**
- **Weather enclosure**
- **Cathodic protection system**
- **Supporting facilities**

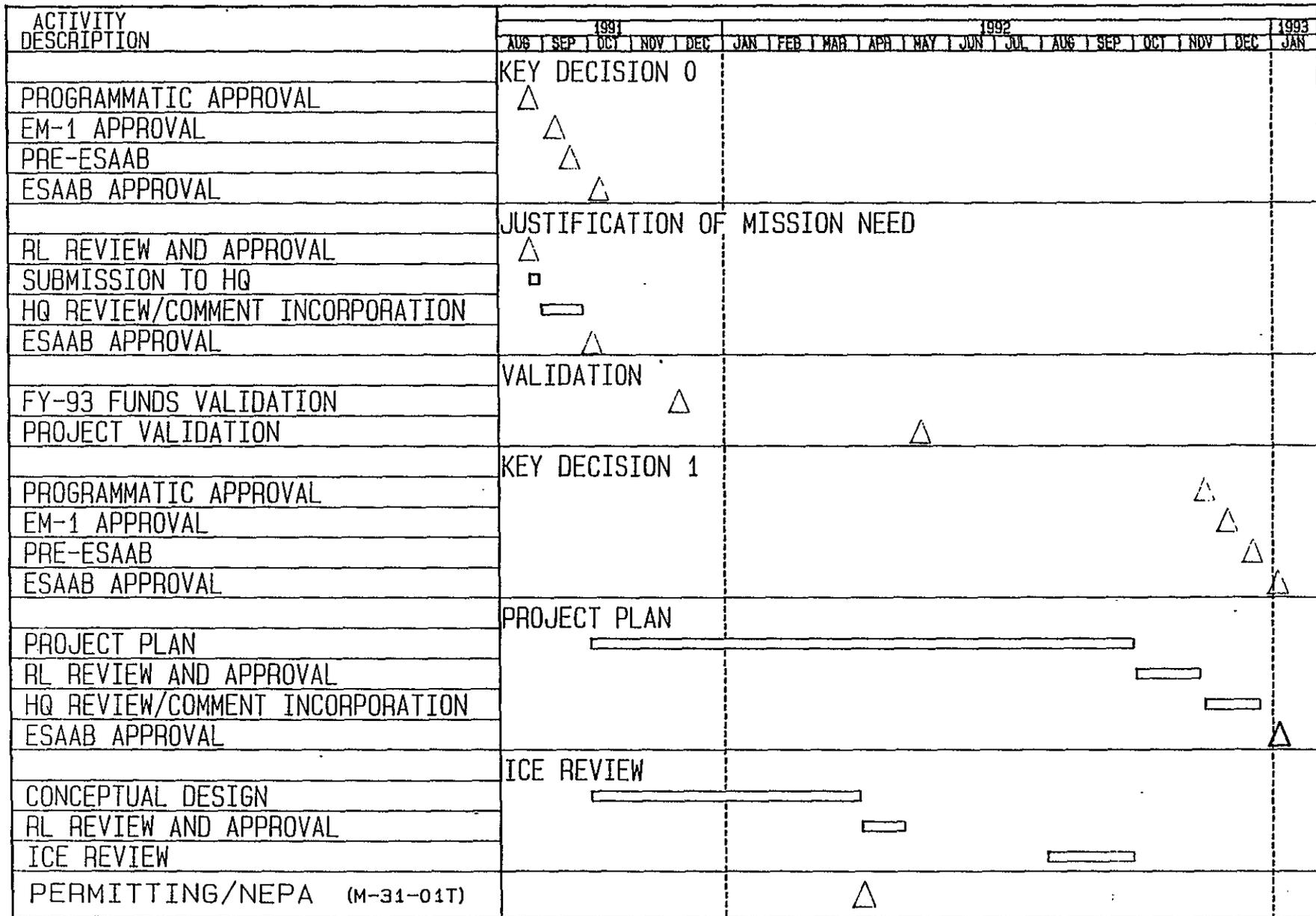
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UNDERGROUND DOUBLE-SHELL STORAGE TANK

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▬ Activity Bar/Early Date  
 ▬ Critical Activity  
 ▬ Progress Bar  
 Primavera PC ENGR .....

**MULTI-FUNCTION WASTE TANK FACILITY**  
 Project Start: 1AUG91  
 Project Finish: 31DEC92

Sheet 1 of 1  
 Date Date: 1AUG91  
 Plot Date: 16DEC91

KATSER ENGINEERS HANFORD			
DATE	APPROVAL	DATE	

## Total Project Planning

- **Key design requirements:**
  - **Compliance with latest regulatory/DOE standards and criteria**
  - **Safety class of components**
  - **Additional sampling system requirements**
  - **Definition of treatment and processing requirements**
  - **ASME class of tank vessel**
  - **Material corrosion requirements**
  - **Flexibility of ventilation systems**

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## **Total Project Planning (continued)**

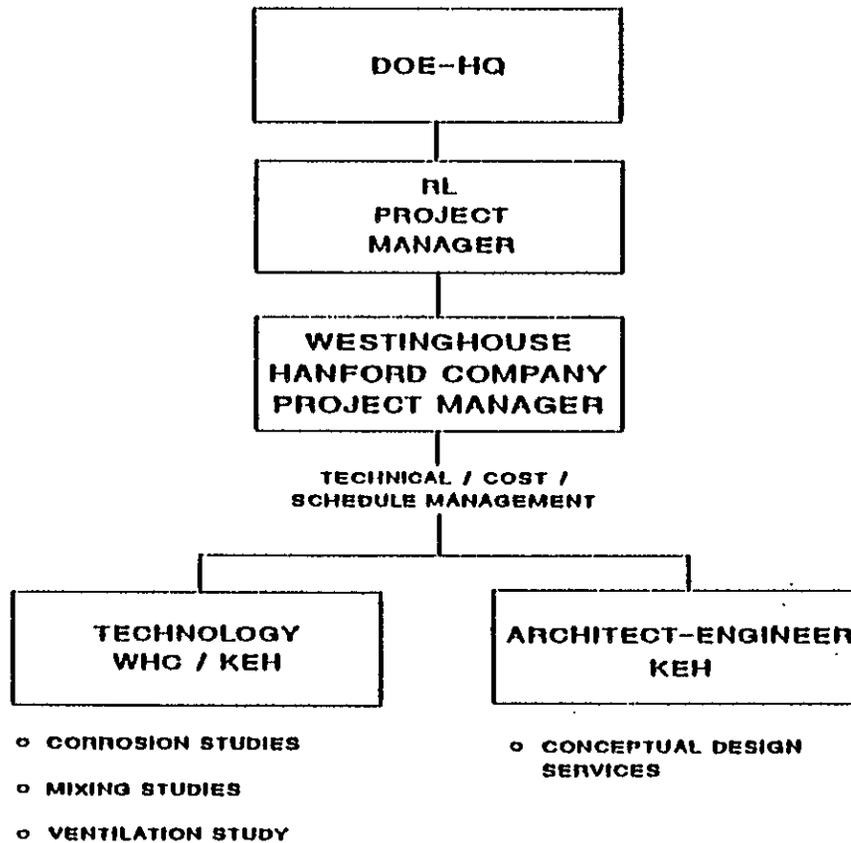
- **During conceptual design the implementation of requirements will be reviewed and defined to establish a total project plan**
- **Project schedule will be adjusted to support high level waste, safety and pretreatment needs**

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**Project W-236  
Multi-Function Waste Tank Facility**

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**MULTI-FUNCTION WASTE TANK FACILITY  
PROJECT MANAGEMENT RELATIONSHIPS  
( CONCEPTUAL DESIGN ONLY )**



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## Planned Actions

- **DOE approve Functional Design Criteria**
- **Initiate and complete CDR**
  - **Complete corrosion study (tank wall material selection)**
  - **Review alternate tank design concepts**
  - **Establish cost/schedule baselines**
- **Conduct ICE review (cost and schedule)**
- **Prepare and issue the Project Plan for approval by DOE**

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## **Project Status**

- **Justification of Mission Need - forwarded to HQ**
- **Functional Design Criteria - issued for DOE-RL approval**

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# **Dangerous Waste Permitting Approach**

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## Dangerous Waste Permitting Approach

- **Summary of approach:**
  - **Submit notice of intent to modify the Hanford Facility Part A permit application**
  - **Revise Hanford Facility Part A permit application**
  - **Proceed with construction under interim status expansion of capacity**
  - **Submit revised DST permit application or modification request**

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## **Dangerous Waste Permitting Approach (continued)**

- **Advantages of approach:**
  - **Support the overall Hanford clean-up**
  - **Allows for timely tank safety issue remediation/resolution**
  - **Supports the construction schedule**

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## NEPA Requirements

- **Secretary of Energy December 20, 1991, Decision, Tank Waste Remediation System (TWRS), Hanford Site, determined**
  - **TWRS rebaselining would be addressed in a "Comprehensive Supplemental Environmental Impact Statement (SEIS)," which would include "New Multi-Function Tank Farm project."**

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## NEPA Requirements (continued)

- "New Multi-Function Tank Farm project might have to proceed on an expedited basis (with separate NEPA review, if appropriate) to address safety remediation."
- NEPA review is in progress
- Recommend Ecology adopt NEPA documentation for SEPA

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## **Summary**

- **The project is justified by, and planned for:**
  - Remediation/resolution of safety issues**
  - Regulatory compliance**
  - Pretreatment/Final Disposal**
  - SST retrieval activities**
  - Continued waste storage**
- **Planning and organization is in place to support design**

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